

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027597.D
 Acq On : 21 Mar 2022 19:35
 Operator : JC/MD
 Sample : N2000-06DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D5-20220315DL

Quant Time: Mar 22 05:49:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

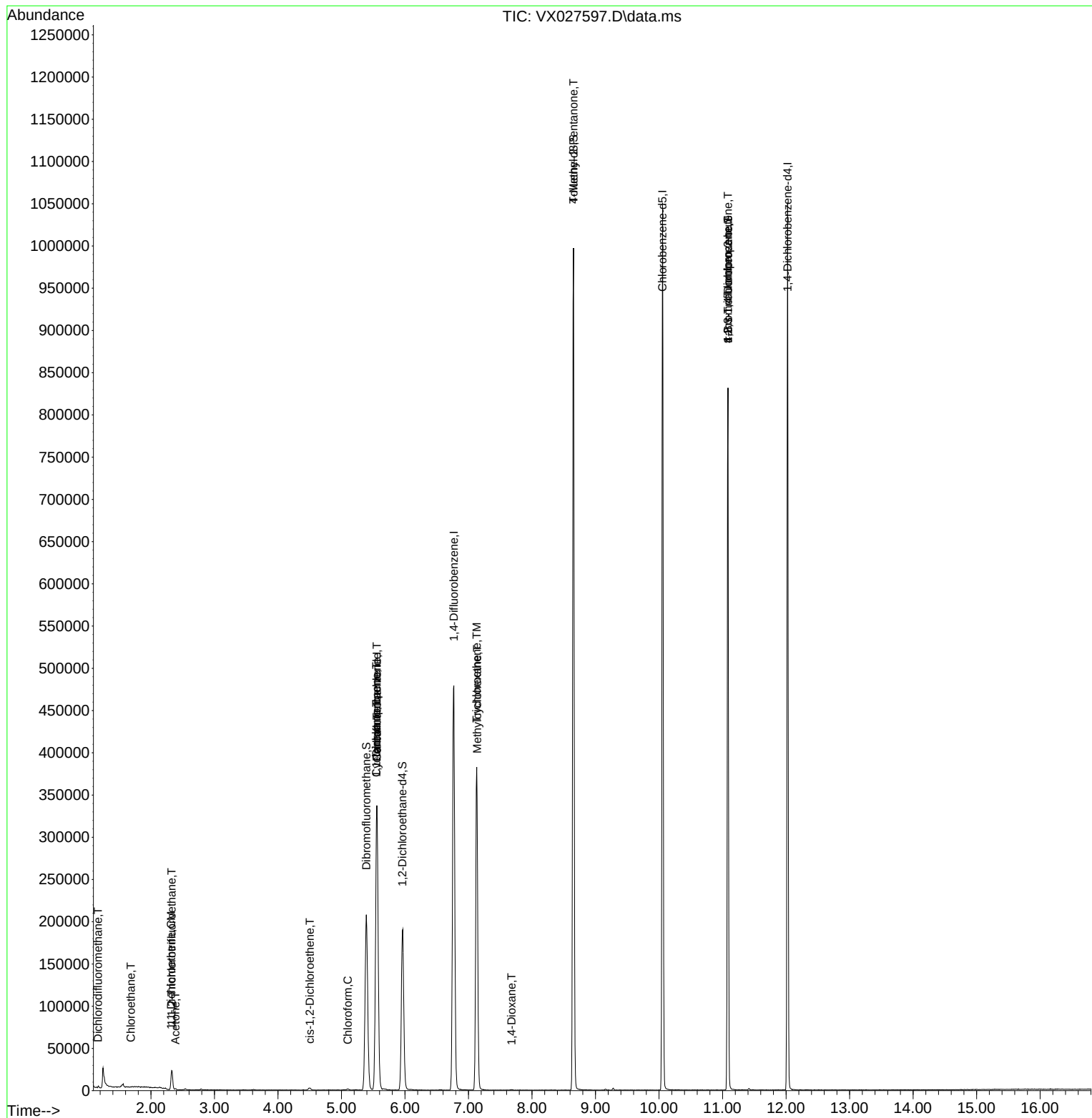
Internal Standards						
1) Pentafluorobenzene	5.556	168	337035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	544806	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	506197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	221592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	182866	44.044	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	88.080%
35) Dibromofluoromethane	5.391	113	183089	52.234	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.460%
50) Toluene-d8	8.653	98	630412	47.528	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.060%
62) 4-Bromofluorobenzene	11.085	95	226456	46.450	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	781	0.241	ug/l	99
5) Bromomethane	1.605	94	509	Below Cal	#	77
6) Chloroethane	1.684	64	1100	0.540	ug/l #	66
9) 1,1,2-Trichlorotrifluo...	2.325	101	8439	2.587	ug/l	95
12) 1,1-Dichloroethene	2.318	96	1304	0.417	ug/l #	71
16) Acetone	2.386	43	1512	0.893	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	1741	0.450	ug/l #	17
30) Chloroform	5.098	83	1649	0.257	ug/l	88
31) Cyclohexane	5.550	56	5918	1.148	ug/l #	7
36) 1,1-Dichloropropene	5.550	75	22806	4.761	ug/l #	50
38) Carbon Tetrachloride	5.556	117	33213	6.061	ug/l #	16
39) Methylcyclohexane	7.135	83	1569	0.260	ug/l #	1
44) Trichloroethene	7.129	130	163606	39.218	ug/l	100
49) 1,4-Dioxane	7.677	88	505	5.172	ug/l #	30
51) 4-Methyl-2-Pentanone	8.653	43	1861	0.380	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	107327	23.156	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	107327	70.326	ug/l #	15

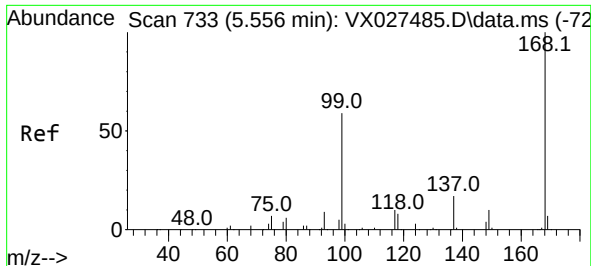
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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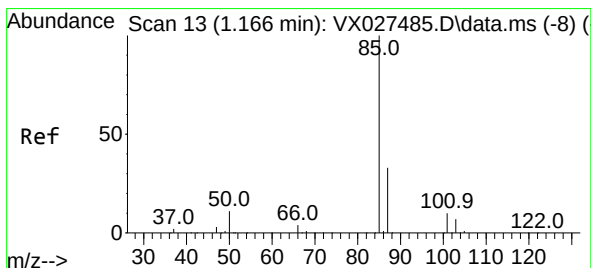
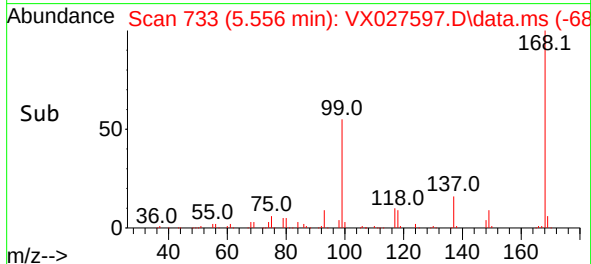
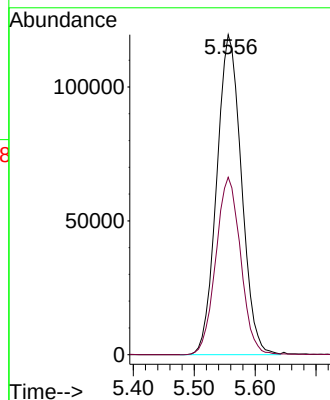
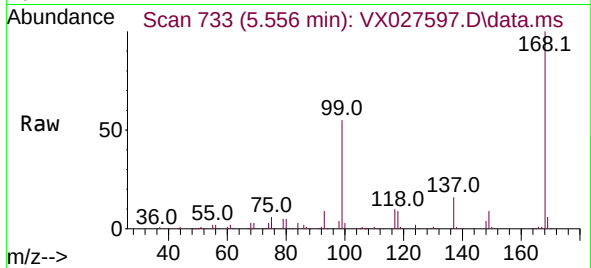




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

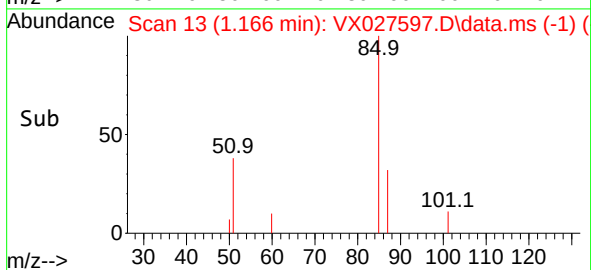
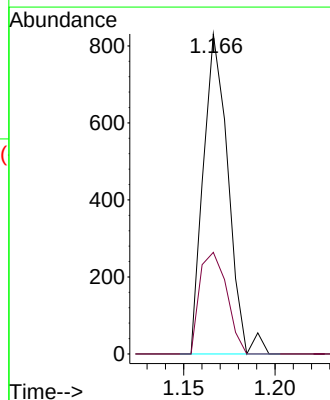
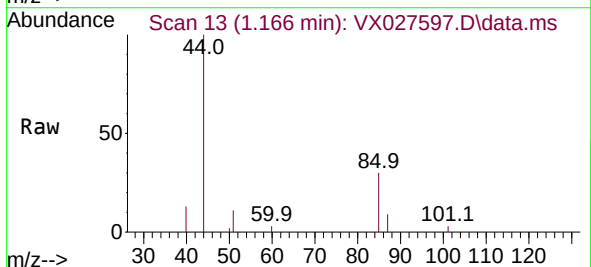
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315DL

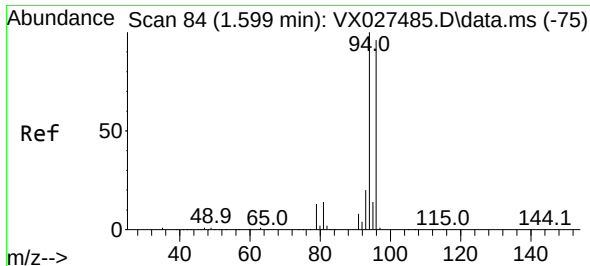
Tgt Ion:168 Resp: 337035
Ion Ratio Lower Upper
168 100
99 55.5 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.241 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

Tgt Ion: 85 Resp: 781
Ion Ratio Lower Upper
85 100
87 31.8 16.2 48.6

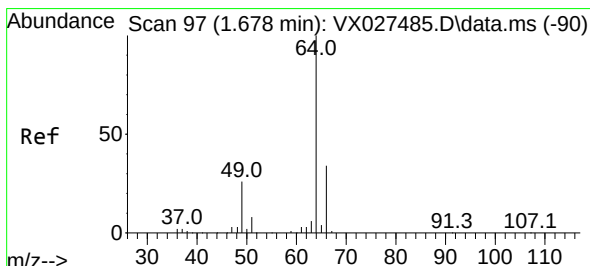
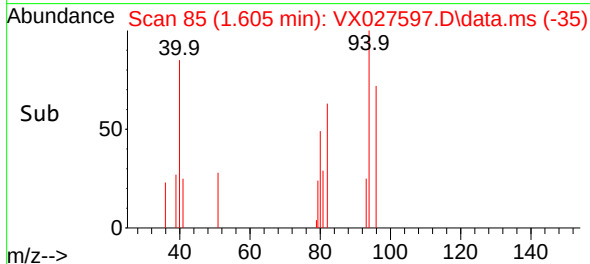
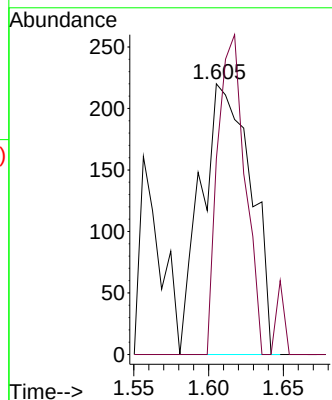
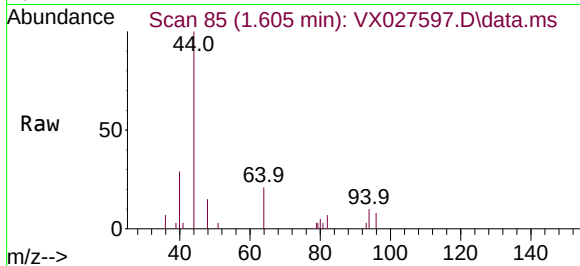




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

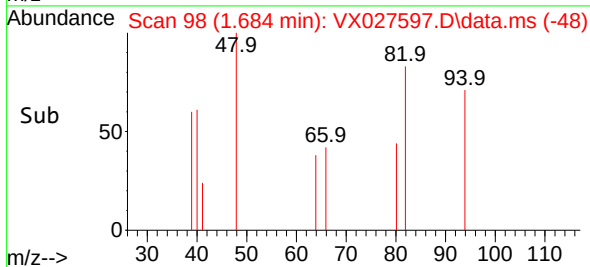
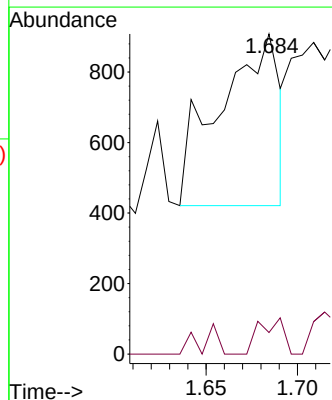
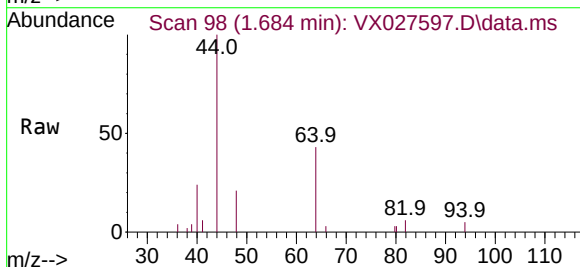
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315DL

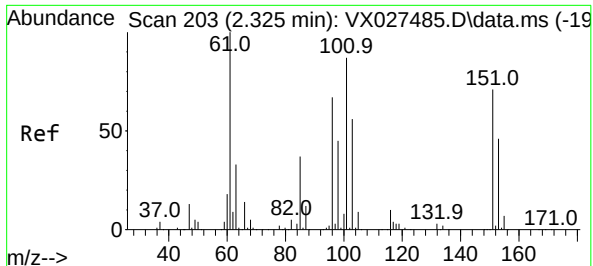
Tgt Ion: 94 Resp: 509
Ion Ratio Lower Upper
94 100
96 72.3 75.3 112.9#



#6
Chloroethane
Concen: 0.540 ug/l
RT: 1.684 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

Tgt Ion: 64 Resp: 1100
Ion Ratio Lower Upper
64 100
66 12.5 25.3 37.9#

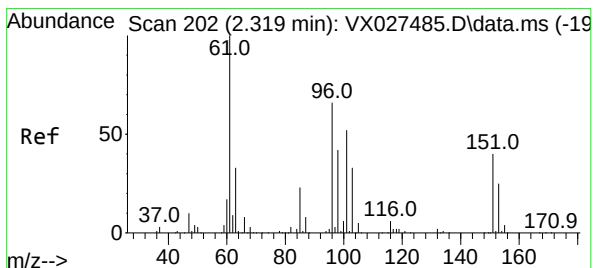
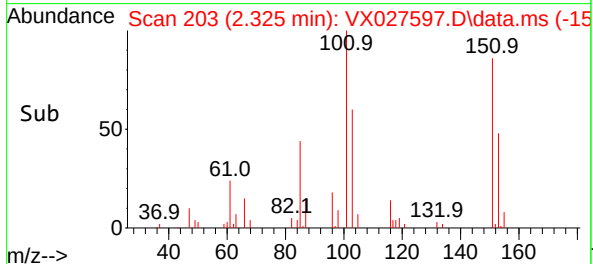
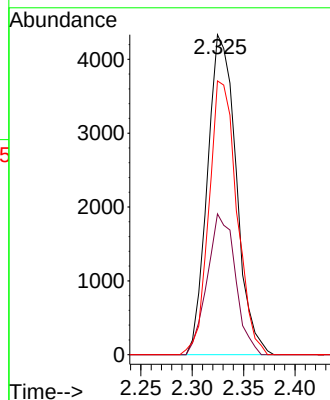
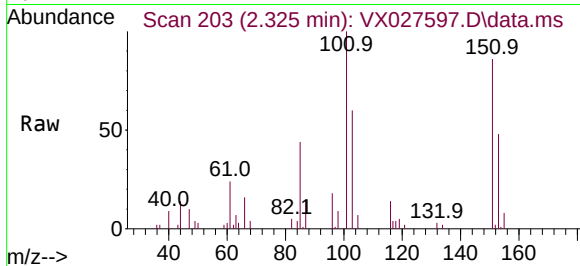




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.587 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

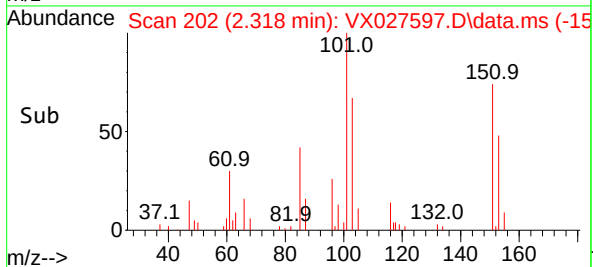
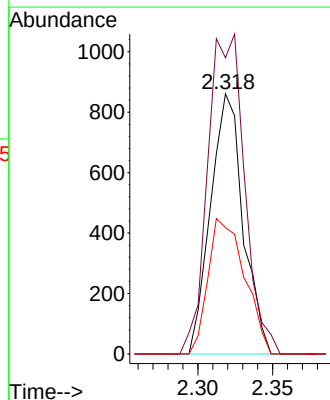
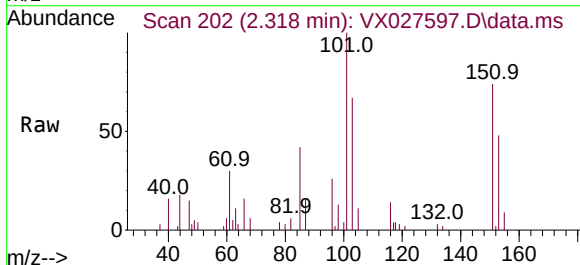
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315DL

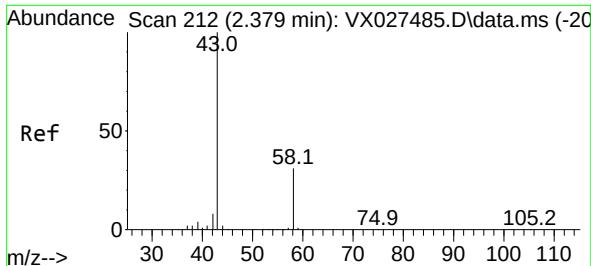
Tgt Ion:101 Resp: 8439
Ion Ratio Lower Upper
101 100
85 42.8 33.5 50.3
151 83.1 61.8 92.6



#12
1,1-Dichloroethene
Concen: 0.417 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

Tgt Ion: 96 Resp: 1304
Ion Ratio Lower Upper
96 100
61 113.8 124.6 187.0#
98 48.5 51.0 76.4#

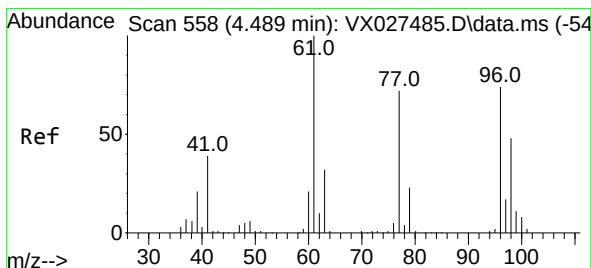
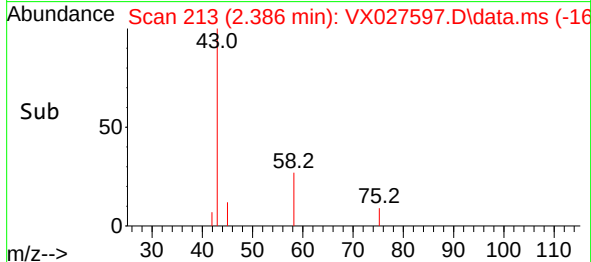
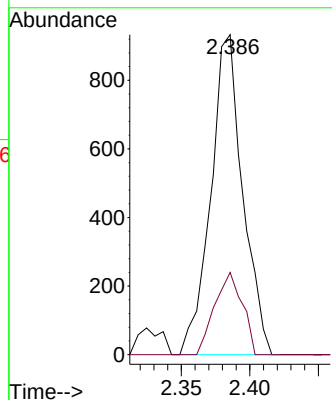
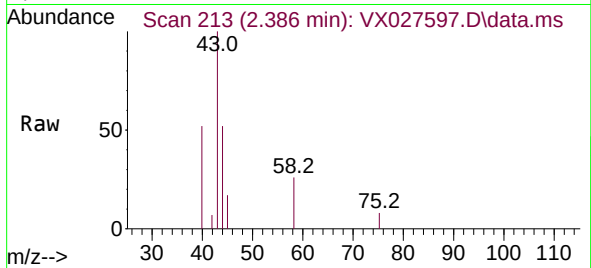




#16
Acetone
Concen: 0.893 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

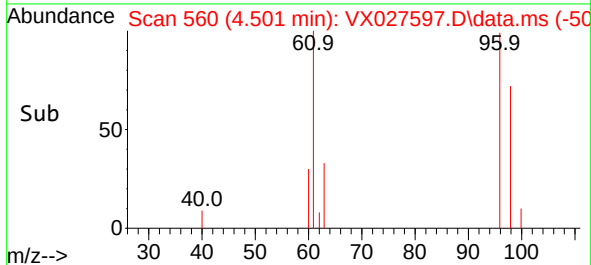
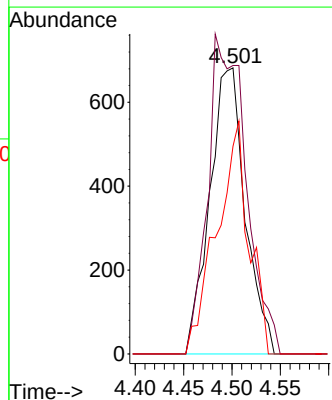
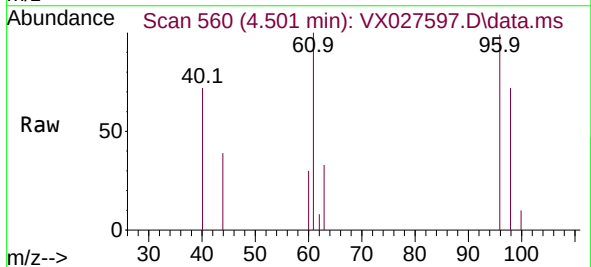
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315DL

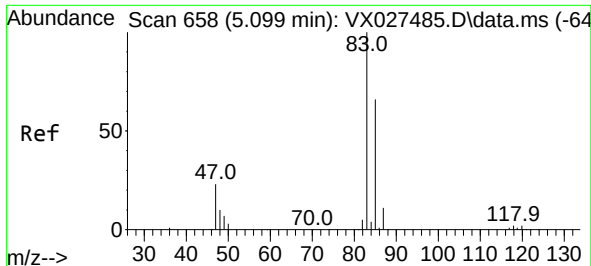
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
58 25.7 28.8 43.2#



#27
cis-1,2-Dichloroethene
Concen: 0.450 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.012 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

Tgt Ion: 96 Resp: 1741
Ion Ratio Lower Upper
96 100
61 0.0 0.0 283.8
98 73.5 0.0 129.8





#30

Chloroform

Concen: 0.257 ug/l

RT: 5.098 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX027597.D

Acq: 21 Mar 2022 19:35

Instrument :

MSVOA_X

ClientSampleId :

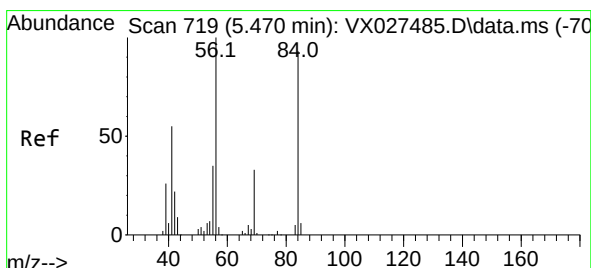
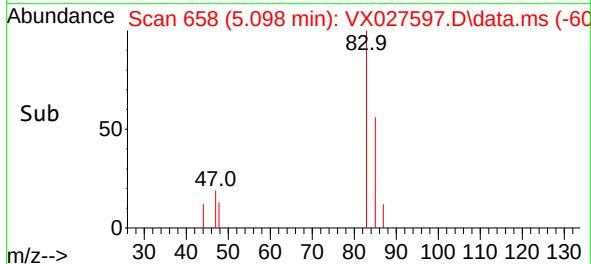
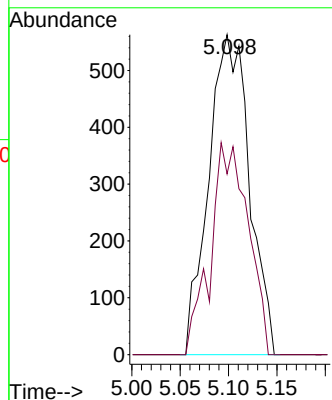
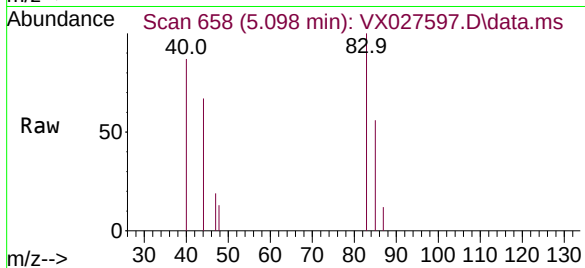
RE-132D5-20220315DL

Tgt Ion: 83 Resp: 1649

Ion Ratio Lower Upper

83 100

85 56.5 52.7 79.1



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX027597.D

Acq: 21 Mar 2022 19:35

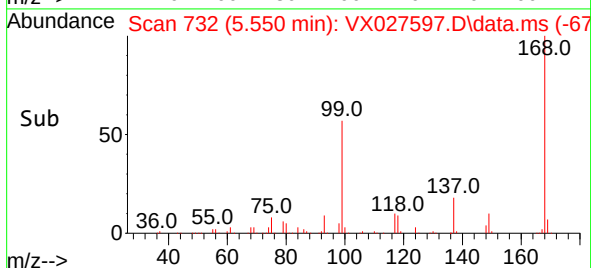
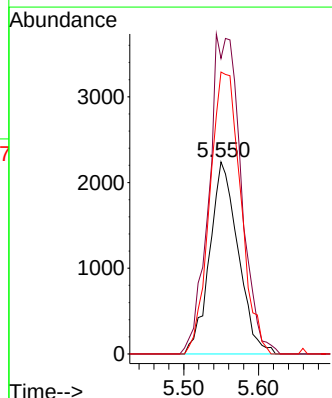
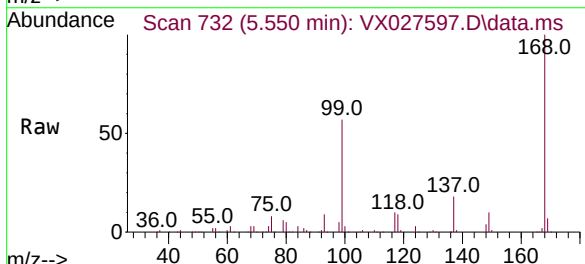
Tgt Ion: 56 Resp: 5918

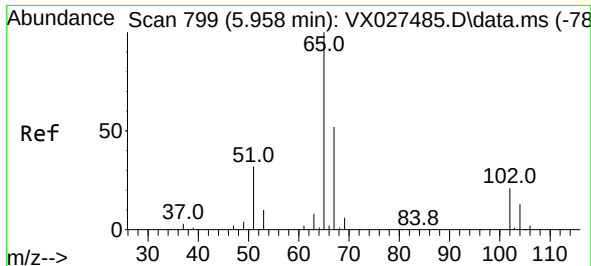
Ion Ratio Lower Upper

56 100

69 153.9 26.7 40.1#

84 146.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 44.044 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX027597.D

Acq: 21 Mar 2022 19:35

Instrument :

MSVOA_X

ClientSampleId :

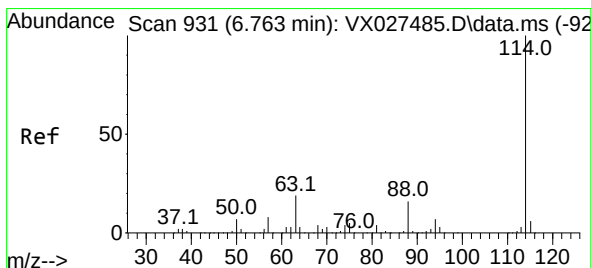
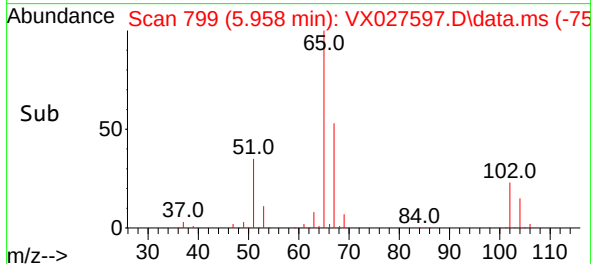
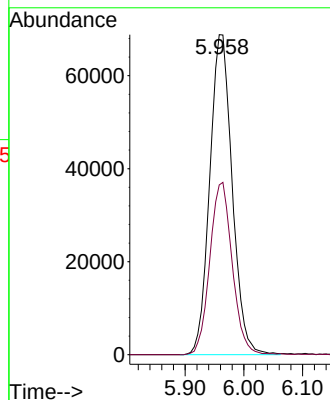
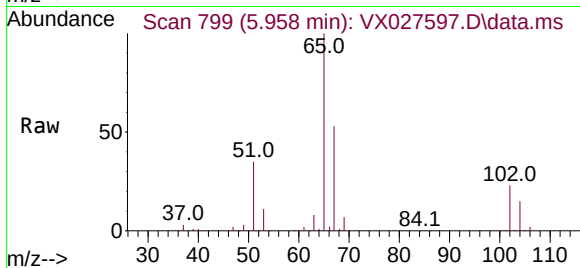
RE-132D5-20220315DL

Tgt Ion: 65 Resp: 182866

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027597.D

Acq: 21 Mar 2022 19:35

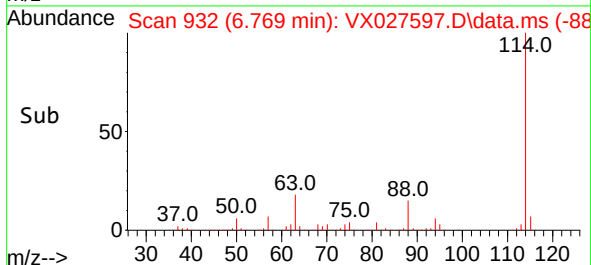
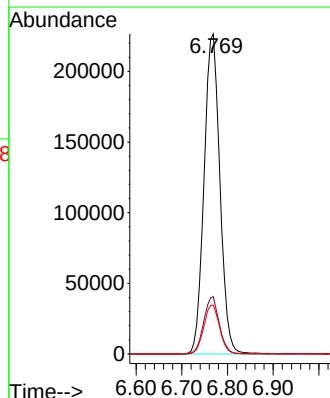
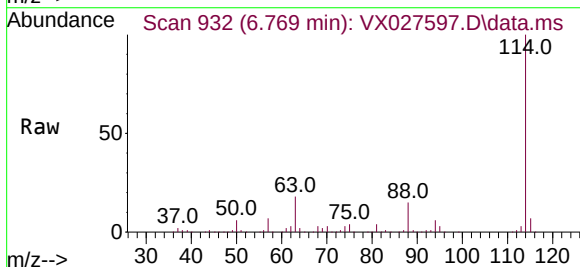
Tgt Ion: 114 Resp: 544806

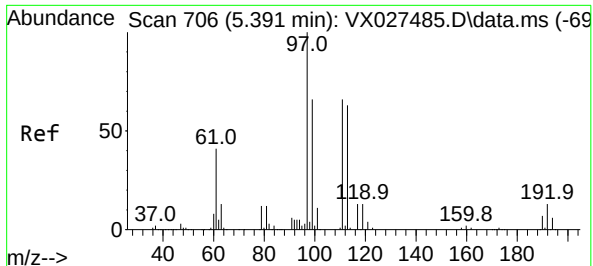
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.8

88 15.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.234 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX027597.D

Acq: 21 Mar 2022 19:35

Instrument :

MSVOA_X

ClientSampleId :

RE-132D5-20220315DL

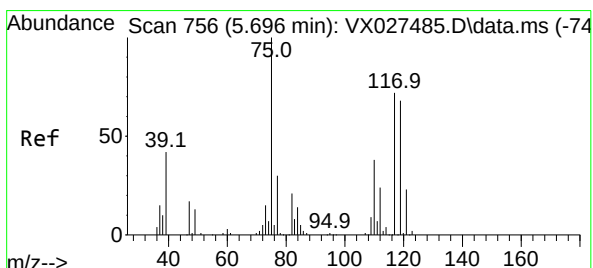
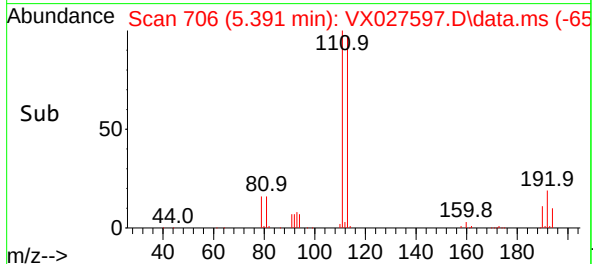
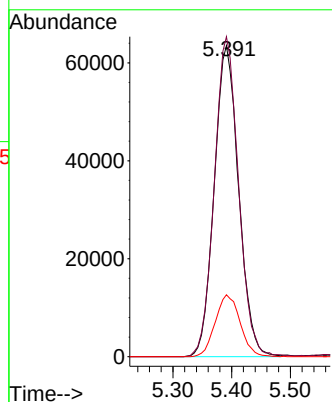
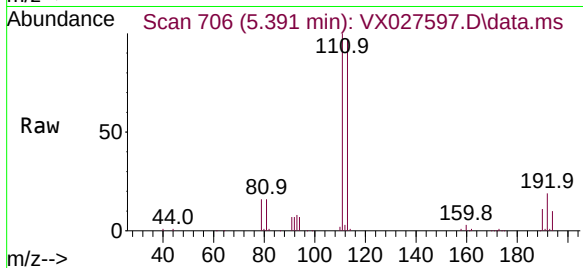
Tgt Ion:113 Resp: 183089

Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

192 20.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.761 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX027597.D

Acq: 21 Mar 2022 19:35

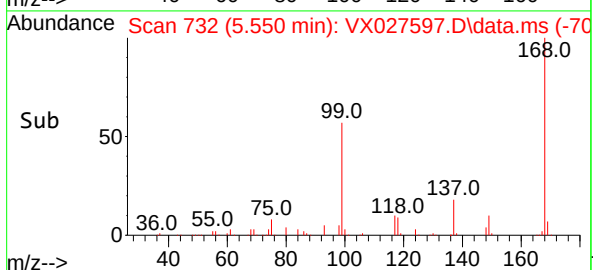
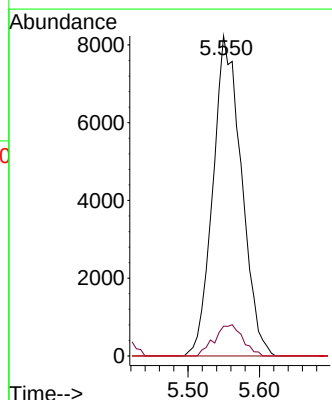
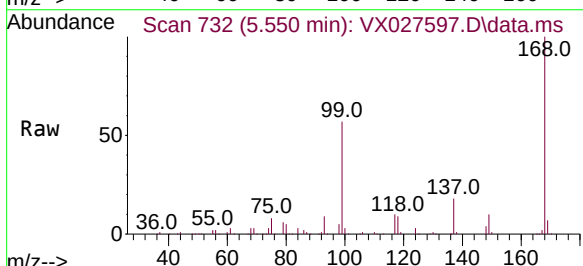
Tgt Ion: 75 Resp: 22806

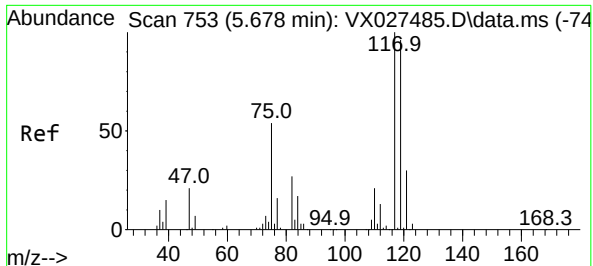
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 24.8 37.2#

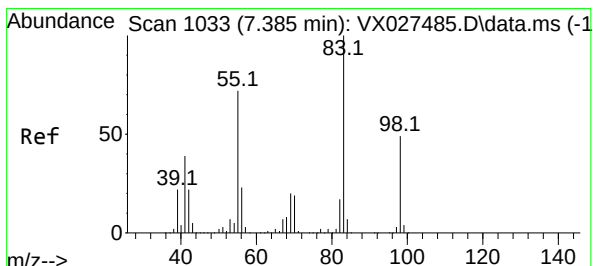
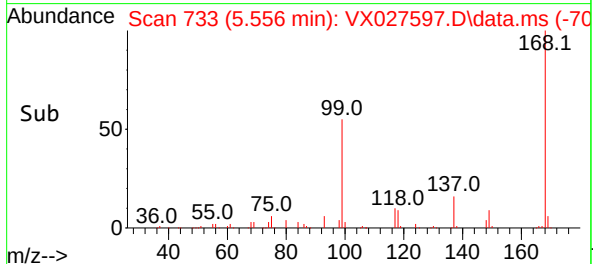
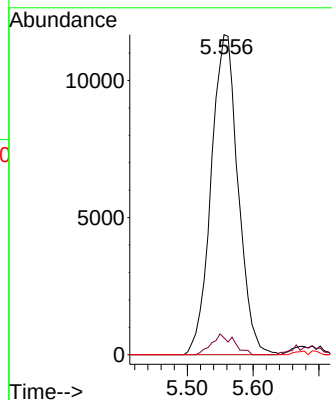
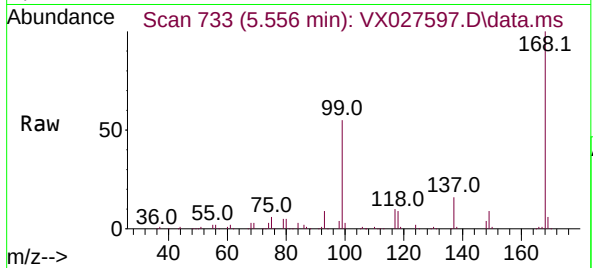




#38
Carbon Tetrachloride
Concen: 6.061 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

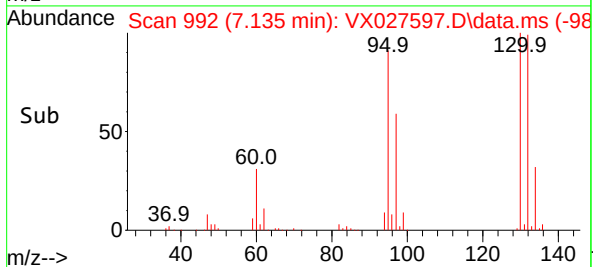
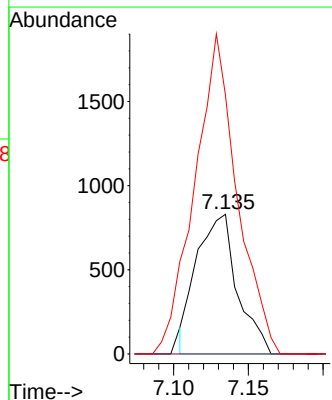
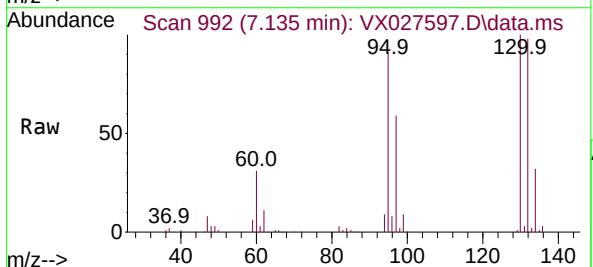
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315DL

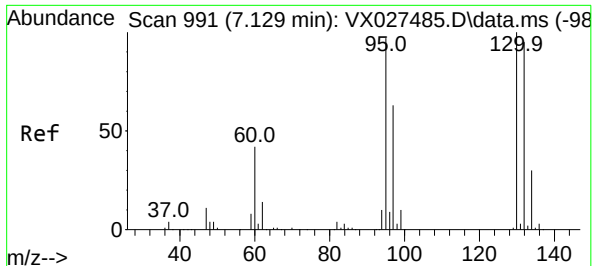
Tgt Ion:117 Resp: 33213
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.260 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

Tgt Ion: 83 Resp: 1569
Ion Ratio Lower Upper
83 100
55 0.0 54.6 81.8#
98 185.2 37.4 56.2#

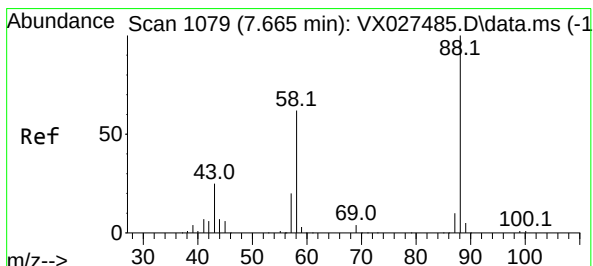
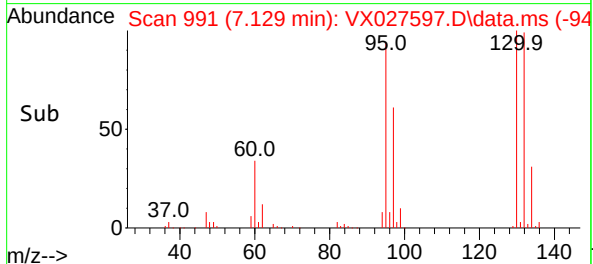
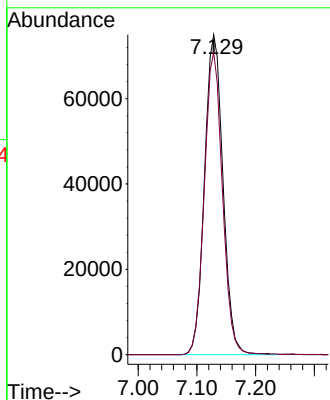
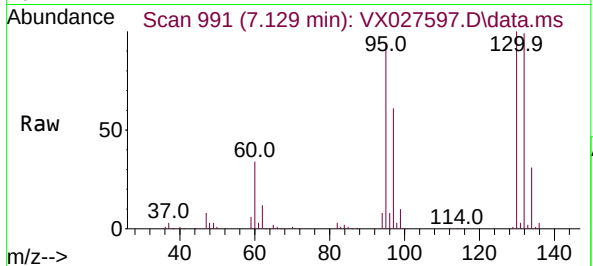




#44
Trichloroethene
Concen: 39.218 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

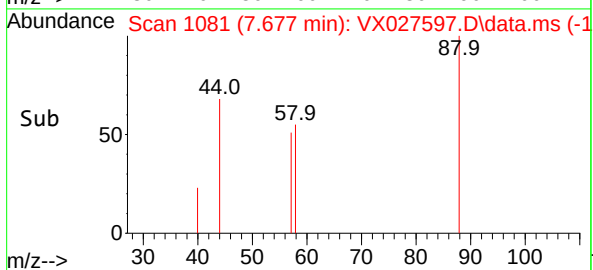
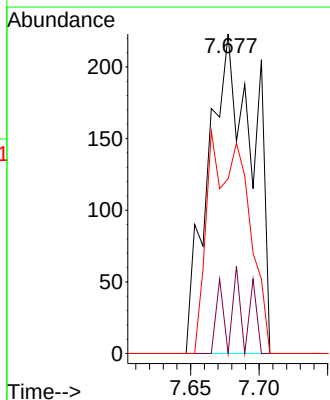
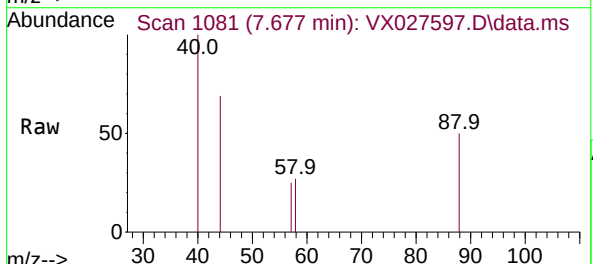
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315DL

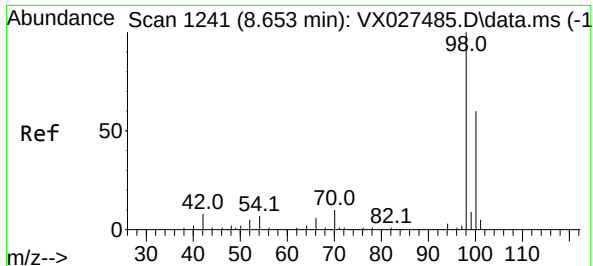
Tgt Ion:130 Resp: 163606
Ion Ratio Lower Upper
130 100
95 94.4 0.0 188.8



#49
1,4-Dioxane
Concen: 5.172 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

Tgt Ion: 88 Resp: 505
Ion Ratio Lower Upper
88 100
43 8.1 21.9 32.9#
58 0.0 53.7 80.5#

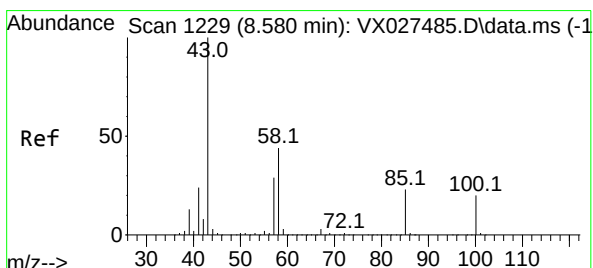
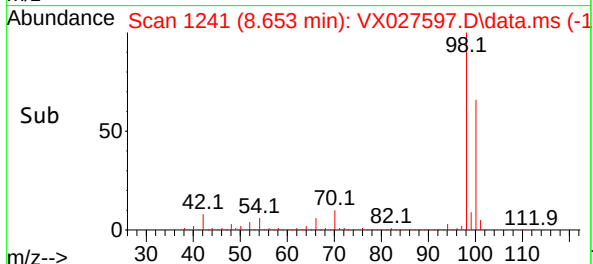
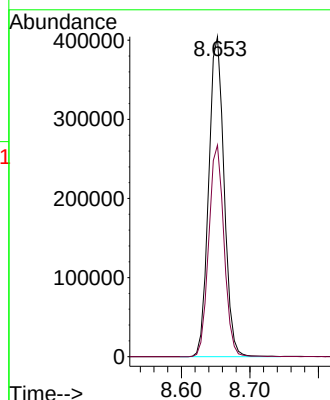
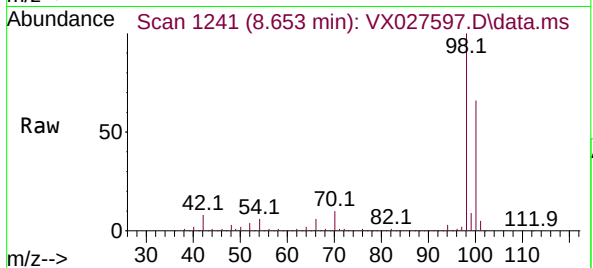




#50
Toluene-d8
Concen: 47.528 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

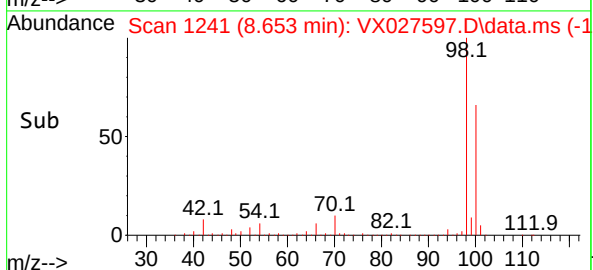
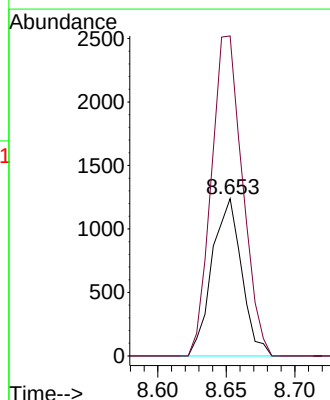
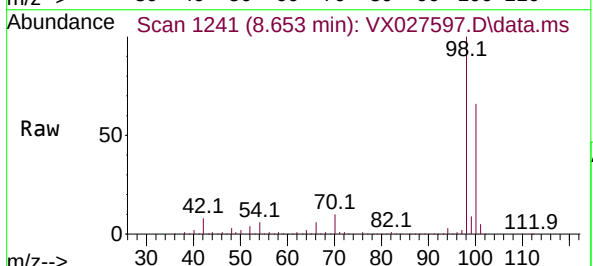
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315DL

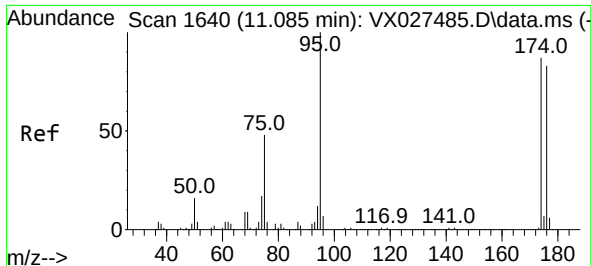
Tgt Ion: 98 Resp: 630412
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.380 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

Tgt Ion: 43 Resp: 1861
Ion Ratio Lower Upper
43 100
58 214.3 36.1 54.1#

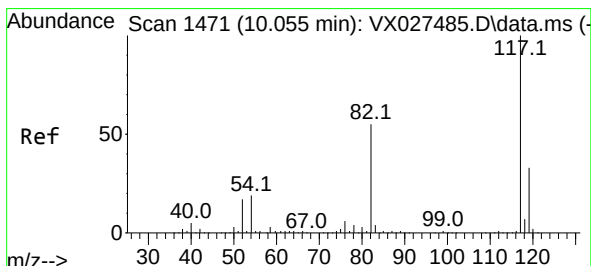
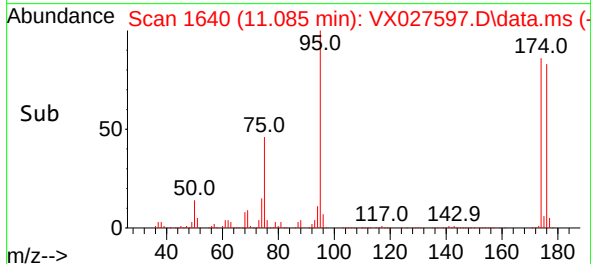
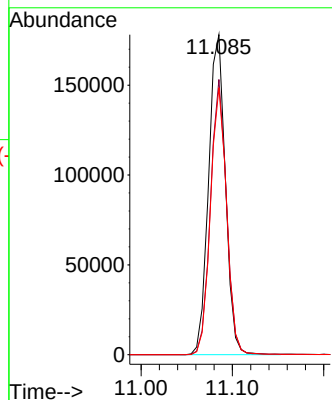
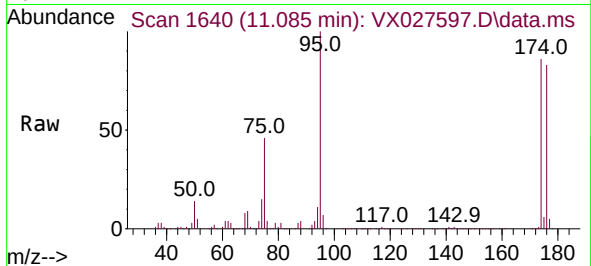




#62
4-Bromofluorobenzene
Concen: 46.450 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

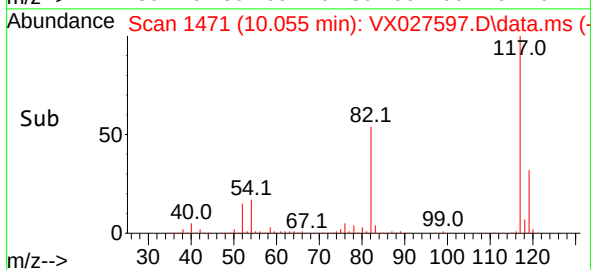
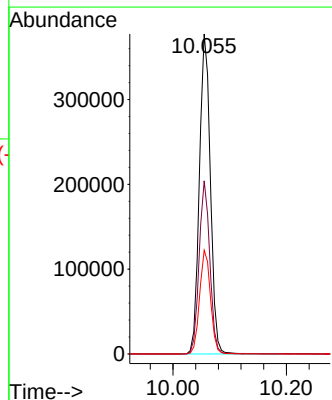
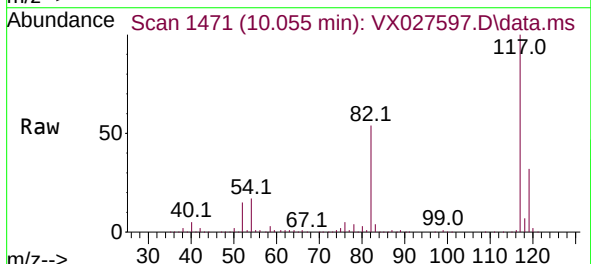
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315DL

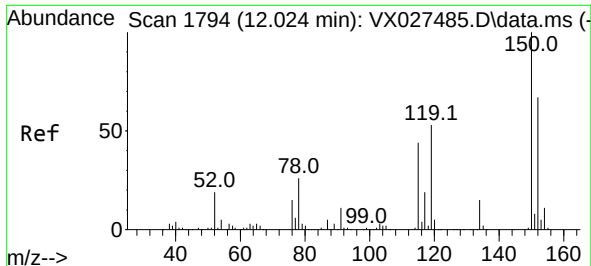
Tgt Ion: 95 Resp: 226456
Ion Ratio Lower Upper
95 100
174 82.4 0.0 163.0
176 80.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

Tgt Ion: 117 Resp: 506197
Ion Ratio Lower Upper
117 100
82 54.1 41.8 62.8
119 32.4 24.8 37.2

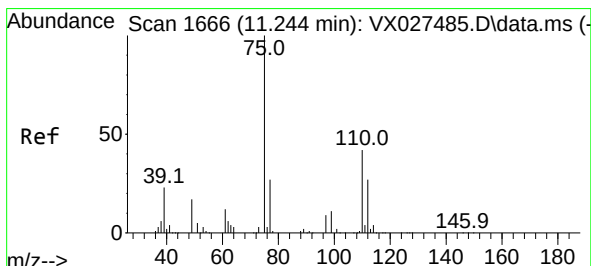
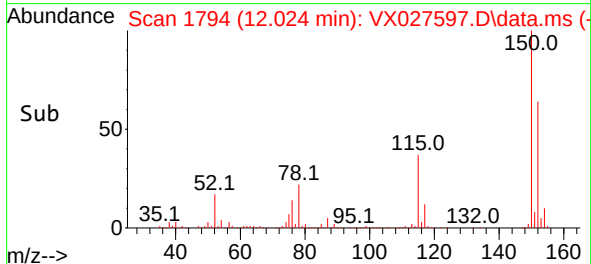
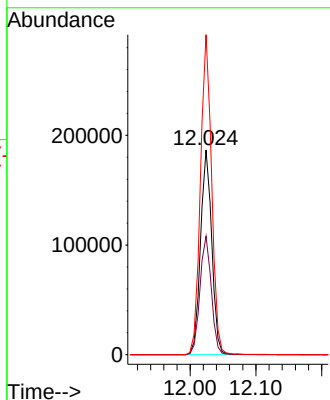
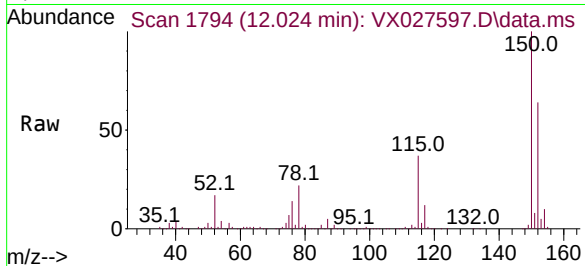




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

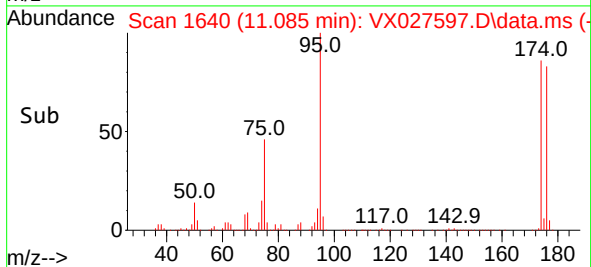
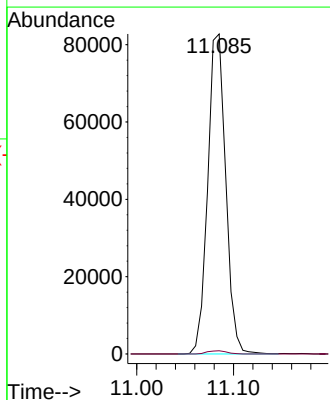
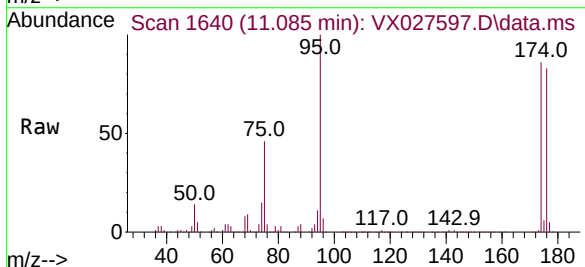
Instrument :
MSVOA_X
ClientSampleId :
RE-132D5-20220315DL

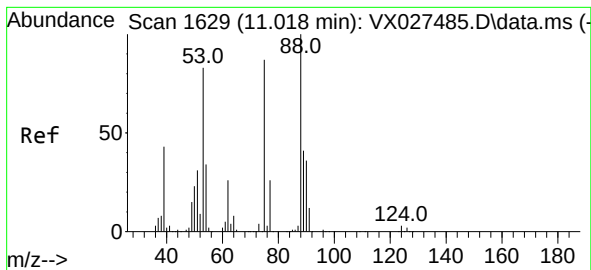
Tgt Ion:152 Resp: 221592
Ion Ratio Lower Upper
152 100
115 58.6 37.5 112.7
150 155.3 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 23.156 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX027597.D
Acq: 21 Mar 2022 19:35

Tgt Ion: 75 Resp: 107327
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.326 ug/l
 RT: 11.085 min Scan# 10
 Delta R.T. 0.067 min
 Lab File: VX027597.D
 Acq: 21 Mar 2022 19:35

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-132D5-20220315DL

Tgt Ion: 75 Resp: 107327
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.1 37.0 55.6#

